

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/039417 A2

- (51) International Patent Classification⁷: **A61L 2/00**
- (21) International Application Number:
PCT/EP2003/012191
- (22) International Filing Date: 30 October 2003 (30.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|-----------|------------------------------|----|
| 0225520.6 | 1 November 2002 (01.11.2002) | GB |
| 0225532.1 | 1 November 2002 (01.11.2002) | GB |
| 0225543.8 | 1 November 2002 (01.11.2002) | GB |
| 0317381.2 | 24 July 2003 (24.07.2003) | GB |
| 0317380.4 | 24 July 2003 (24.07.2003) | GB |
| 0317371.3 | 24 July 2003 (24.07.2003) | GB |
- (71) Applicant (for all designated States except US): **GLAXO-SMITHKLINE BIOLOGICALS S.A.** [BE/BE]; Rue de l'institut 89, B-1330 Rixensart Brussels (BE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **MAYERESSE, Yves** [BE/BE]; GlaxoSmithKline Biologicals s.a., Rue de l'institut 89, B-1330 Rixensart Brussels (BE).
- (74) Agent: **STEPHEN, Robert**; GlaxoSmithKline, CN925.1, 980 Great West Road, Brentford, Middlesex TW8 9GS (GB).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: DRYING PROCESS

(57) Abstract: The present invention relates to a method of drying biological and other labile samples so that they can be preserved as a highly viscous liquid. The method involves the steps of preparing a preservation sample by dissolving/suspending an active agent in a solution of a stabilising agent, subjecting the preservation sample to such temperature and pressure conditions that the preservation sample loses solvent by evaporation without freezing or bubbling to form a foam and removing solvent until the preservation sample dries to form a highly viscous liquid.

WO 2004/039417 A2